

Construction Specification 724 – Drainfill

1. Scope

The work shall consist of furnishing, handling, and placing drainfill required in the construction of structure drains and filters as required by the drawings and specifications.

2. Materials

Drainfill and filter aggregates shall be sand, gravel, or crushed stone, or mixtures thereof and come from a source approved by WVDOT. They shall be composed of clean, hard, durable mineral particles free from organic matter, clay balls, soft particles, or other substances that would interfere with their free draining properties.

Aggregate gradation shall be shown on the drawings and conform to ASTM C33.

3. Placement

Drainfill shall not be placed until the subgrade has been made available for inspection and approved by the NRCS representative. Foundation surfaces and trenches shall be clean and free of organic matter, loose soil, foreign substances, and standing water when the drainfill is placed.

Drainfill shall be placed uniformly in layers not more than 12 inches deep. The material shall be placed in a manner to avoid segregation of particle sizes. No foreign materials shall be allowed to become intermixed with or otherwise contaminate the drainfill.

Drainfill shall not be placed over or around the pipe or drain tile until the installation of the pipe or tile has been inspected and approved by the NRCS representative. Drainfill over or around pipe or drain tile shall be placed in a manner to avoid displacement of the pipe or tile in line or grade.

No compaction will be required beyond that resulting from the placing and spreading operations, unless otherwise specified.

Placement of drainfill adjacent to concrete structures shall not be commenced until 14 days have elapsed following placement of concrete for walls with earth loading on one side only, or 7 days for walls backfilled on both sides simultaneously.